

ABSTRACT OF THE DISCLOSURE

METHOD AND APPARATUS FOR SELECTIVELY ACCELERATING NETWORK COMMUNICATIONS

5 A method and apparatus for selectively accelerating network
communications provides improved operation of network
communications through channels with long delays, such as a
satellite communications channel. A configuration management
mechanism provides a selection of acceleration configuration for
10 particular addresses of devices that may communicate through the
communications channels. Acceleration may be bypassed for
particular addresses or classes of devices within the network
and priorities may be assigned, permitting a cut-off of
acceleration when a threshold number of sessions is reached. The
15 method and system may also allow a higher priority class of
session to preempt lower priority session by removing resources
from the lower priority session and assigning them to the higher
priority session. The data rate of the lower priority session is
then lowered (due to the absence of acceleration or reduced
20 buffer size) to reduce traffic flow.